

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000390

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: H04L 27/26**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: H04L, H04B, H04Q**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE, DK, FI, NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ, INSPEC**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1014639 A2 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD), 28 June 2000 (28.06.2000), see for example claims 1,2,4,5 and paragraphs [0027]-[0028] --	1-18
A	TONELLO, A.M. et al. "Analysis of the uplink of an asynchronous multi-user DMT OFDMA system impaired by time offsets, frequency offsets, and multi-path fading". In: 52nd VEHICULAR TECHNOLOGY CONFERENCE, 2000. IEEE VTS-FALL VTC 2000. Boston, MA, USA, 24-28 September 2000, Vol. 3, pages 1094-1099, INSPEC AN: 6880050, see section 6 "Performance Results of Several System Scenarios" --	1-6, 11-18

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

17 June 2004

Date of mailing of the international search report

21 JUN 2004

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN            Vol. 1999, No. 02,            26 February 1999 (1999-02-26)            &amp; JP 10 308716 A (SONY CORP)            17 November 1998 (1998-11-17)            see abstract</p> <p>--</p>	7-10
A	<p>PATENT ABSTRACTS OF JAPAN            Vol. 2000, No. 20,            10 July 2001 (2001-07-10)            &amp; JP 2001 069110 A (MATSUSHITA ELECTRIC IND CO LTD)            16 March 2001 (2001-03-16)            see abstract; description            paragraphs [0001] - [0009]</p> <p>--</p>	1-18
A	<p>BAUM, K.L. "A synchronous coherent OFDM air            interface concept for high data rate cellular            systems"            In: 48th IEEE VEHICULAR TECHNOLOGY CONFERENCE,            1998. VTC 98. Ottawa, Ont., Canada, 18-21 May            1998, Vol. 3, pages 2222-2226, INSPEC AN: 6127270,            see abstract and section IV. "SC-OFDM downlink            configuration" / A. "OFDM signal parameters"</p> <p>--</p> <p>-----</p>	1-18

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

30/04/2004

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EP	1014639	A2	28/06/2000	CN	1260649 A	19/07/2000
				JP	2000244441 A	08/09/2000
				JP	2003023410 A	24/01/2003
				KR	2000052538 A	25/08/2000
				US	6714511 B	30/03/2004

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